

DEVICE FOR DAMPING WATER HAMMER

Abstract of the Disclosure

A device damps water hammers in hydraulic accumulators, in particular in piston accumulators. The device is embodied in the form of the accumulator component which operates as a throttle on a fluid flow and is inserted between internal elements (12) of the accumulator and a hydraulic network (14) to which the accumulator is connectable. The throttle is formed by at least one transfer area (24) having a predetermined cross-section in a valve element (16) which interrupts the fluid flow up to the transfer area (24) at one of the valve positions and releases it at its other position. The transfer area (24) has at least one free end with a funnel-shaped enlargement (26,28) oriented towards the inside of the accumulator (12) or towards the hydraulic network (14), thereby substantially improving damping such that noise emission is reduced to the greatest possible extent.